

Appendix Q. Detailed Annual Chesapeake Bay TMDL WLAs and LAs

Appendix Q is an allocation spreadsheet (Appendix Q Annual TMDLs_final.xls) that contains components of the Chesapeake Bay TMDLs that were developed for total nitrogen (TN), total phosphorus (TP), and total suspended solids (TSS) (sediment). Detailed source allocations of successful TMDL scenarios are provided as wasteload allocations (WLAs) for individual and aggregate point sources and load allocations (LAs) for specific nonpoint source sectors. The TMDL components and supporting information are presented in tabular format in separate pages of the allocation spreadsheet. Each page is formatted so that the user may select from one of the pull-down menus in the table header to view specific details regarding a particular stream or pollutant source. Appendix Q is comprised of the following tables:

- Introduction – The Introduction provides a description of each of the tables included in the allocation spreadsheet.
- Watershed Map and Major Basins – This table presents a listing of the 92 impaired segments with the corresponding Jurisdiction, CB Segment Name, and Major Basin. Additionally, two figures are provided showing the location of the 92 impaired segments and also the location of the major river basins in the Chesapeake Bay watershed.
- Annual TMDLs_92 Segments – This table contains the components of the TMDL equation for the 92 impaired segments for TN, TP, and TSS, in average annual terms. Nitrogen and phosphorus have an implicit margin of safety (MOS) while sediment has both an implicit and explicit MOS.
- Annual Individual WLAs – This table contains individual WLAs for the 478 significant point sources permitted to discharge throughout the Chesapeake Bay watershed as well as 10 MS4 point sources permitted to discharge in Virginia. Individual WLAs are presented as edge of stream (EOS) and delivered load for each of the 92 impaired segments by NPDES permit number for TN, TP, and TSS.
- Annual Aggregate WLAs – This table contains aggregate WLAs for specific permitted sectors that discharge throughout the Chesapeake Bay watershed. Aggregate WLAs are presented as delivered load for each of the 92 impaired segments by NPDES permit number for TN, TP, and TSS. Additionally, aggregate WLAs are presented as EOS load for wastewater aggregates for each of the 92 impaired segments by NPDES permit number for TN, TP, and TSS.
- Annual Land Based LAs – This table contains detailed Land Based LAs for specific nonpoint source sectors: agriculture, forest, nontidal atmospheric deposition, onsite septic, and urban. Land Based LAs are presented as delivered load for each of the 92 impaired segments by jurisdiction and by nonpoint source sector for TN, TP, and TSS.
- NPDES Permit Inventory – This table contains the NPDES permit inventory for all permits addressed in the Chesapeake Bay TMDL. Each permit is listed by jurisdiction, facility name, NPDES permit number, significant or nonsignificant, discharge type, SIC Code, SIC Description, Location by County, Receiving Water, Major Model River Basin, Bay Segment, Land River Segment, Number Land River Segment, WIP defined flow, latitude, and longitude.
- NPDES Permit Inventory Notes – This table provides notes containing additional information for certain permits listed in the NPDES Permit Inventory tab.